

Mr. Grande
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Algebra II
2017-18

Welcome to Algebra II! This course will follow the Common Core State Curriculum, which states, “This model Algebra II curriculum created by CT teachers and students for CT teachers and students emphasizes problem solving and mathematical reasoning, incorporates real-world applications and effective use of technology, and uses multiple representations,” (ctcorestandards.org). The course expectations are outlined below:

Standards for Mathematical Practice:

- 1) Make sense of problems and persevere in solving them.
- 2) Reason abstractly and quantitatively.
- 3) Construct viable arguments and critique the reasoning of others.
- 4) Model with mathematics.
- 5) Use appropriate tools strategically.
- 6) Attend to precision.
- 7) Look for and make use of structure.
- 8) Look for and express regularity in repeated reason.

Topics Covered:

- 1) Functions and Inverse Functions
- 2) Quadratic Functions
- 3) Polynomial Functions
- 4) Rational and Power Functions
- 5) Exponential and Logarithmic Functions
- 6) Trigonometric Functions

Supplies:

Suggested supplies include, but are not limited to:

- 1) 3-ring binder
- 2) Loose leaf paper
- 3) PENCILS. PENCILS. PENCILS.
- 4) ERASERS. ERASERS. ERASERS.
- 5) Ruler

Calculator Rules

Calculators will be provided in class, but it is suggested that you purchase your own, especially for higher level math classes. If you borrow a calculator from the classroom, you **MUST** sign it out on the whiteboard in next to the Calc-Pal Storage in the back of the room. The yellow calculator set is **NOT** eligible to be signed out. Those must remain in the room at all-time. Any student who has proven s/he cannot use a calculator responsibly will not be allowed to use the classroom set.

Behavior Expectations

I do not anticipate poor behavior this year, but I will reiterate what I expect. Students should be respectful to everyone in the room at all times, including their peers. Students should also respect the classroom itself, so no drawing on desks or snapping rulers for fun. I intend on having a fun year, but within the rules of the classroom. Failure to comply will result in action being taken according to the school rules.

Grading

Your quarterly grade will be based on a total points system. The breakdown is as follows (**NOTE:** all point totals are approximates, as some will fluctuate depending on the assignment or unit):

Tests: 100 points
Quizzes: 25 points
Projects: 50 points
Homework: 5 points
Classwork/Participation: 5 points

Tests and Projects will be given once a unit. They will encompass all concepts taught from the unit.

Weekly quizzes will be given every Friday. They will encompass the topics that have been covered from Monday-Thursday of the week.

Homework will be given often, but will not always be graded. I will tell you what assignments will be collected and used as a grade. It is your job as a student to keep up with all assignments to be prepared for the quiz at the end of the week. Asking questions is an important part of this class, so I will devote time at the beginning of each class to go over any questions you may have.

Classwork/Participation is a weekly grade that refers to not only staying on task throughout the week, but also completing all Warm Ups and Exit Slips assigned.

Technology

The world has become a tech-savvy place, so I intend to use technology often in the classroom. However, cell phones, laptops, etc. should only be used when instructed to do so. For quizzes and tests, students will be unable to use phones as calculators as there are enough in the class set for everyone to use. Any student using technology inappropriately will have the privilege revoked.

Extra Help / Make Up Work

I am very flexible in staying after school. I understand this course will be difficult at times, so it is *your* responsibility to find a time in your schedule to come see me for extra help. It is always better to be proactive at getting help rather than reactive. I will do my best to assist you in any way possible.

If you miss a quiz or test, you are responsible for making it up the next day. If you miss two days, you will make it up the second day you are back, etc. If you do not make it up in the allotted time, you will receive a zero for the assignment.

Attendance: (BOE Policy #5113)

The learning experiences that take place in the classroom are considered to be meaningful and essential parts of the education process. Absences tend to disrupt the continuity of that process. The time lost from class is irretrievable, particularly in terms of opportunity for interaction and exchange of ideas between students and between students and teachers. Knowing and abiding by the attendance regulations and procedures are student and parent responsibilities. On January 2, 2008, the State Board of Education approved the following definition of attendance for public school districts:

A student is considered to be "in attendance" if present at his/her assigned school, or an activity sponsored by the school (e.g., field Trip), for at least half of the regular school day. A student who is serving an out-of-school suspension or expulsion should always be considered absent.

Students attending the North Stonington Public Schools must remain on school property during the normal school day, unless the building principal authorizes a student to leave school grounds. Exceptions to this rule may be approved by the building principal for those reasons which would justify an excused absence under this policy:

1. There shall be no penalty for an excused absence. Students must bring a note from their parent or guardian to the main office on the day of return to school. For an illness, the student should provide documentation from a doctor. This note must specify the reason(s) for the absence and must conform to the Board of Education Policy # 5113. Excused absences will be listed on the morning bulletin of the day the note is received, and students will be allowed to make up all work missed. Excused absences as defined by the Board of Education are:
 - a. Illness or injury,
 - b. Death in the immediate family,
 - c. Religious obligation,
 - d. Court appearance,
 - e. School sponsored activity,
 - f. College Visitation (prior approval needed from building principal)
 - g. An emergency, or
 - h. Other exceptional circumstances.
2. For every unexcused absence, the student will not be allowed to make up or receive credit for work missed.
3. Students who are absent from school should make every effort to obtain their assignments during their absence. When a student is absent for extended periods of time--more than three days-- parents may obtain assignments from the teachers through the guidance office. Failure to make up assignments may result in a grade of zero for each missing assignment. A student may expect to have one day for each day of absence in order to make up missed work.
4. If a student is absent from school, he/she may not be on school grounds. Extenuating circumstances will be dealt with on a case by case basis by the administration.

5. IF A STUDENT MISSES MORE THEN 15 MINUTES FROM CLASS, OTHER THEN BECAUSE OF A SCHOOL SACTIONED EVENT, THEY WILL BE CONSIDERED ABSENT FROM CLASS.

Limit on Total Number of Absences: No student will receive course credit for a full year course after having been absent from that course for more than 20 class periods (excused or unexcused) the school year for reasons other than school sponsored activities (i.e. field trips). The total number of absences will be pro-rated for less than full year courses and for courses which meet other than five times per week

Notification Procedures: When a student has accumulated one-half (ten (10) full year or five (5) half year) of the maximum allowed number of total absences for a particular course, excluding school functions, the teacher will notify the student, parent/guardian (by mail), administration, and the guidance counselor on a form designated for that purpose.

Tardiness:

After every 5th tardy (excused or unexcused) per quarter, an office detention will be assigned. After the 6th tardy per quarter, one day of ISS will be assigned.

Academic Integrity:

The faculty and administration of Wheeler Middle/High School demand high standards of academic performance and academic honesty. Anything less would jeopardize quality education and allow our students to deny themselves needed skills and knowledge. For this reason students who cheat on their assigned work, reports, research papers, quizzes, tests or examination risk prompt and punitive action by both their teacher and the school. Examples of violations may include, but are not limited to:

- Giving or receiving aid on tests and graded assignments
- Unauthorized talking during tests
- Copying regular homework/exercises
- Unapproved discussion of examinations/assignments contents
- Cheating on peer reviews of student work
- Misuse of technology

Documentation of all sources is important to avoid plagiarism, which is the stealing of another's ideas, words, writing, or academic work, and implying that it is original. Both quoting and paraphrasing information from an outside source, including any technology without crediting that source is a form of plagiarism. Students who are found cheating or plagiarizing will be subject to the following guidelines:

First offense:

- Academic penalty up to and including zero.
- Parent contacted.
- Administration notified (by teachers completing a discipline form).

Subsequent offenses:

- Academic penalty up to and including zero.
- Parent contacted.
- Disciplinary action by administration which may include office detention or suspension

Final Assessment Policy:

For one credit or half-credit full year courses, *course assessments* (exams/activity) are given at the conclusion of each semester, a mid-term and a final. For half-credit courses, a *course assessment* (exam/activity) will be given at the end of the semester. All *course assessments*, except in selected classes, are one and one-half hours in length. All students must arrive on time and remain in class for the full duration of the period. Students taking the AP test will not be required to sit for a final exam. **Seniors are exempt from taking a *final course assessment*, in any course where the students have at least a 90 average.** Physical Education classes will not be required to give an exam, but there will be a health exam which could be given earlier. Normally, no excuse for missing a *course assessment* other than illness will be accepted. The principal must give such permission.

Wheeler High School Academic Expectation met by this course:

- Analysis